

## ISTE/Common Core Technology Standards Alignment

| Grade           | ISTE Technology Literate Profile (ISTE Standards)   | Common Core Tech Standard                       | Example Activity 1   | Example Activity 2   |
|-----------------|---|---|--|--|
| 6 <sup>th</sup> | Describe and illustrate a content-related concept or process using a model, simulation, or concept-mapping software. (1, 2) | CC RI #7<br>CC WHST #6<br>CC RH #7              | Have students create a word document that utilizes Smart Art for describing a process.   | Students could utilize a simulation on <a href="http://phet.colorado.edu/">http://phet.colorado.edu/</a> as a way to describe a scientific process to fellow students.                     |
| 6 <sup>th</sup> | Gather data, examine patterns, and apply information for decision making using digital tools and resources. (1, 4)          | CC W #8<br>CC WHST #8<br>CC RI #7<br>CC WHST #6 | Have students utilize online resources to research the history, frequency, and locations of noteworthy severe natural disasters in your region. Students should prepare a presentation that could inform an audience on effects and recovery efforts in your area.<br><br>A great simulation as to the devastation of natural disasters can be simulated with this online game:<br><a href="http://www.stopdisastersgame.org">http://www.stopdisastersgame.org</a> |  |
| 6 <sup>th</sup> | Participate in a cooperative learning project in an online learning community. (2)  | CC WHST #6<br>CC W #8                           | Plan a cross curricular project with a colleague and have students work on a project based learning experience that utilizes collaboration on either a wiki (wikispaces.com) or through the use of a LMS (Schoology, Edmodo, Haiku...etc.)   |  |
| 7 <sup>th</sup> | Create original animations or videos documenting school, community, or local events. (1, 2, 6)                              | CC RH #7<br>CC SL #5                            | Have students either document with a flip camera, their cell phones, or other digital device and edit in a program such as iVideo or Movie Maker.<br><br>Use <a href="http://www.educrations.com">www.educrations.com</a> to create videos about an event.   | Students could create a slideshow/screen capture narrative and post on Youtube, a class blog/wiki, or other database. Screencast-o-matic is an excellent and inexpensive program for this. |
| 7 <sup>th</sup> | Integrate a variety of file types to create and illustrate a document or presentation. (1, 6)                               | CC SL #5<br>CC W #6<br>CC W #2a                 | Have students create a portfolio of their work utilizing the hyperlinking capabilities of Power Point to bring together multiple files, projects, and assignments to showcase their learning.  | Use <a href="http://www.Prezi.com">www.Prezi.com</a> to incorporate pictures, text, video, and word documents into a strong multimedia presentation.                                       |

## ISTE/Common Core Technology Standards Alignment

|                 |   |                                    |   |   |
|-----------------|---|------------------------------------|---|---|
| 7 <sup>th</sup> | Evaluate digital resources to determine the credibility of the author and publisher and the timeliness and accuracy of content. (3)   | CC RL #7<br>CC W #2a<br>CC W #8    | Provide students with examples of good websites/sources and poor ones. Go over the basics of determining if a site can be viewed as credible or not. This <a href="#">website</a> is a good start.  |   |
| 8 <sup>th</sup> | Employ data-collection technology such as probes, handheld devices, and geographic mapping systems to gather, view, analyze, and report results for content-related problems. (3, 4, 6) | <a href="#">CC RST #3</a>          | Utilize jogging applications on smart phones to have students calculate the area of the school grounds and available land for construction projects and additions.  | Use images from <a href="http://www.Earth.Google.Com">www.Earth.Google.Com</a> to illustrate the impact humans have on their surroundings.                    |
| 8 <sup>th</sup> | Select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems. (3, 4, 6)  | CC WHST #6<br>CC SL #5<br>CC RI #7 | Prior to beginning project based learning activities have the students brainstorm the tools they could use and how they would utilize them. Student groups should devise a plan for implementing the technologies for completing the tasks. | Provide multiple ways to show that a student understands a topic. Allow students to create videos, presentations, animations or papers to show understanding. |
| 8 <sup>th</sup> | Use collaborative electronic authoring tools to explore common curriculum content from multicultural perspectives with other learners. (2, 3, 4, 5)                                     | CC WHST #6<br>CC RH #7<br>CC SL #5 | Utilize wiki's, public message boards, blogs, Skype, and Learning Management Systems to give students opportunities to engage with peers and experts in professional fields during research projects.                                       | Utilize <a href="http://www.e-pals.com">www.e-pals.com</a> to have students engage with other cultures about a specific topic.                                |
| All             | Independently develop and apply strategies for identifying and solving routine hardware and software problems. (4, 6)   | CC WRLST #4                        | For basic troubleshooting advice go to: <a href="#">Troubleshooting</a><br>A simple Google search for computer troubleshooting will yield many great ideas as well.   |   |